



## Gulf of Mexico Harmful Algal Bloom Bulletin

26 January 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 23, 2006

### Conditions Report

No impacts are expected in any southern Florida counties through Sunday.

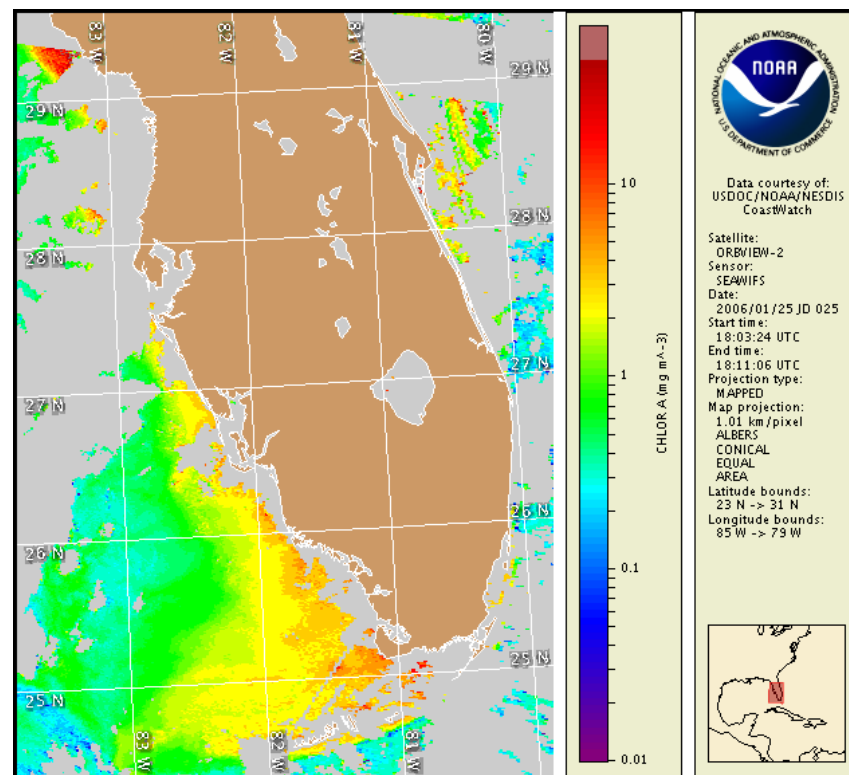
### Analysis

The bloom continues to dissipate along the southwest coast of Florida. Recent sampling indicates that *K. brevis* concentrations have decreased at Mullet Key in Pinellas County from just above present on 1/19 (FWRI) to not present on 1/24 (FWRI). Very low concentrations of *K. brevis* were found 22 miles west of Redfish Pass in Lee County on 1/21/06 (FWRI). Various species of non-harmful algae have been identified at the coast from Pinellas to Collier County (1/21-23; FWRI); accounting for elevated chlorophyll levels seen in recent satellite imagery. Northeast to easterly winds throughout the weekend will likely continue westerly transport and bloom dissipation along the coast.

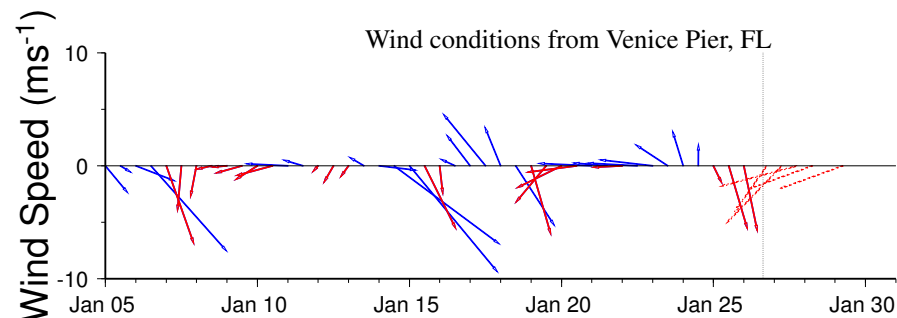
Recent cell count results indicate no *K. brevis* present in the Florida Keys (1/24/06; MML).

Satellite imagery (1/25) continues to indicate a chlorophyll patch off-shore of Collier and Monroe Counties centrally located at 82° 25' W 25° 11' N. Onshore movement is not expected.

~Keller, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



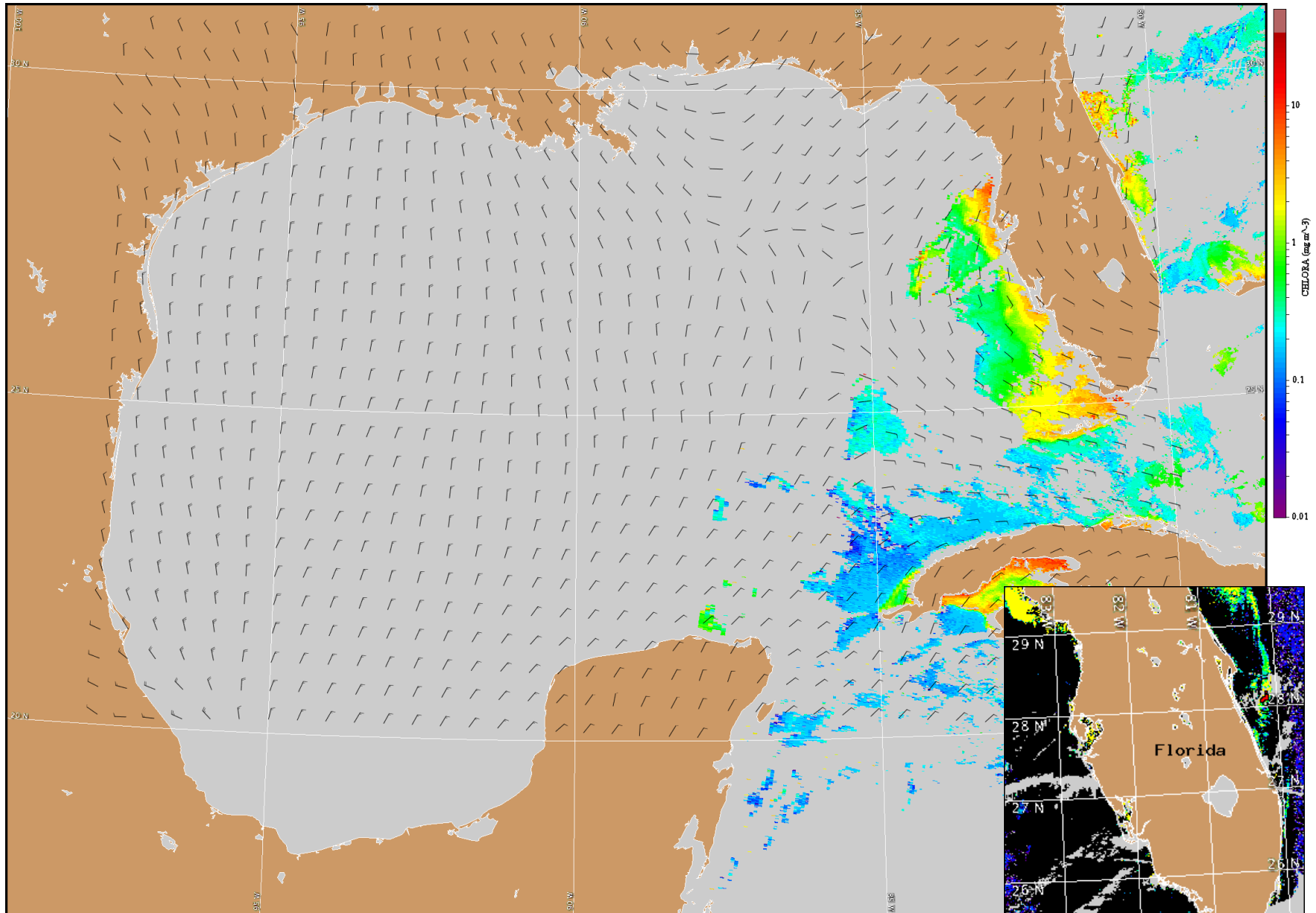
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northeast winds today through tonight (15 knots; 8 m/s). East winds Friday through Saturday (5-15 knots; 3-8 m/s). Southeast winds Saturday night (10 knots; 5/ms). South winds on Sunday becoming southwest Sunday night(10-15 knots; 5-8 m/s).

FL Keys: North to northeast winds today through Friday night (20 knots; 10 m/s). East winds on Saturday (20 knots; 10 m/s) and southeast winds on Sunday (15 knots; 8 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for January 27, 2006 12Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

